

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Prayaga, *et al.*

SERIAL NUMBER: 09/755,665

EXAMINER: Not Yet Assigned

FILING DATE: January 4, 2001

ART UNIT: Not Yet Assigned

FOR: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME

BOX IDS

Assistant Commissioner for Patents

Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed below and on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

Foreign Patent Documents:

| | | |
|----------|----------------|----------------|
| 95/11305 | Zeneca Limited | April 27, 1995 |
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Other Prior Art – Non Patent Literature Documents:

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| Grasser, et al., 1996 "Maize chromosomal HMGC. Two closely related structure-specific DNA-binding proteins specify a second type of plant high mobility group box protein." J. Biol. Chem. 271:32900-32906. GenBank Accession Number: P93631 |
| Kaul, et al., 1999 Large-scale Mapping and Sequencing of Human Chromosome 7." Unpublished. GenBank Accession Number: AC018639 |
| Kirchhoff, et al, 1994 "Major human epididymis-specific gene product, HE3, is the first representative of a novel gene family." Mol. Reprod. Dev. 37 (2), 130-137. GenBank Accession Number: X76386 ✓ |
| Kirchhoff, et al, 1994 "Major human epididymis-specific gene product, HE3, is the first representative of a novel gene family." Mol. Reprod. Dev. 37 (2), 130-137. GenBank Accession Number: NM_022360 |
| Kirchhoff, et al, 1994 "Major human epididymis-specific gene product, HE3, is the first representative of a novel gene family." Mol. Reprod. Dev. 37 (2), 130-137. GenBank Accession Number: Q14507 ✓ |
| NCBI Annotation Project. 2001 Direct Submission to National Center for Biotechnology. GenBank Accession Number: XP_003504 |
| NCBI Annotation Project. 2001 Direct Submission. GenBank Accession Number: XP_003501 |
| Tekamp-Olson, et al., 1990 "Cloning and characterization of cDNAs for murine macrophage inflammatory protein 2 and its human homologues." J. Exp. Med. 172 (3), 911-919. GenBank Accession Number: NP_002080 |
| Wilson, R.K., 1995 Direct Submission. GenBank Accession Number: R05767 |

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U.S.S.N.: 09/755,665

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| Wilson, R.K., 1996 Direct Submission. GenBank Accession Number: W32867 |
| Wilson, R.K., 1996 Direct Submission. GenBank Accession Number: W32868 |
| Yan, et al., 1993 "Neutrophil-activating intercrine secreted by porcine platelets is active without proteolytic processing." Am. J. Physiol. 265 (5 Pt 1), C1396-C1404. GenBank Accession Number: AAB28903 |
| Zheng, et al., 1993 "Cloning and characterization and distinct human extracellular signal-regulated kinase activator kinases, MEK1 amd MEK2." J. Biol. Chem. 268, 11435-11439. GenBank Accession Number: L11285 |
| Zheng, et al., 1993 "Cloning and characterization and distinct human extracellular signal-regulated kinase activator kinases, MEK1 amd MEK2." J. Biol. Chem. 268, 11435-11439. GenBank Accession Number: P36507 |

This Information Disclosure Statement is being filed before the mailing date of the first Office Action.

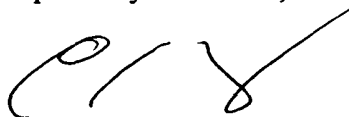
A copy of each of the above-identified information is enclosed unless otherwise indicated on the attached Form PTO-1449 (modified). It is respectfully requested that the Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims, and signs the enclosed form PTO-1449 to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that: (1) a search has been performed, of the extent of any search performed, or that more relevant information does not exist; (2) the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b); and (3) the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

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U.S.S.N.: 09/755,665

Notwithstanding any statements by the Applicant, the Examiner is urged to form his/her own conclusion regarding the relevance of the cited information. An early and favorable action is hereby requested. Please charge any additional fees that may be due, or credit any overpayment of same, to Deposit Account No. 50-0311, Reference No. 15966-631.

Respectfully submitted,



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Dated: April 12, 2000

TRADOCS:1459457.1(V@4H01!.DOC)

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PTO/SB (12-97)

Approved for use through 9/30/00. OMB 0651-0031

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| Modified Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | Application Number | 09/755,665 |
| | Filing Date | 1/4/01 |
| | First Named Inventor | Taupier |
| | Group Art Unit | Not Yet Assigned |
| | Examiner Name | Not Yet Assigned |
| | Attorney Docket Number | 15966-631 (Cura-131) |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|----------|--------------------------|------------|-------------------------------------|-------|-----------|----------------------------|
| Exam Initials | Cite No. | U.S. Patent Document No. | Issue Date | Name of Patentee(s) or Applicant(s) | Class | Sub Class | Filing Date If Appropriate |
| | | | | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|----------|---------------------------------------|----------|-------------------------------------|---------------------|--------------------|--|
| Exam Initials | Cite No. | Foreign Patent Document Office Number | | Name of Patentee(s) or Applicant(s) | Date of Publication | Translation Yes No | |
| | B1 | WO | 95/11305 | Zeneca Limited | April 27, 1995 | | |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | |
|---|----------|--|
| Exam Initials | Cite No. | Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc. |
| | C1 | Grasser, et al., 1996 "Maize chromosomal HMGc. Two closely related structure-specific DNA-binding proteins specify a second type of plant high mobility group box protein." <i>J. Biol. Chem.</i> 271:32900-32906. GenBank Accession Number: P93631 |
| | C2 | Kaul, et al., 1999 Large-scale Mapping and Sequencing of Human Chromosome 7." Unpublished. GenBank Accession Number: AC018639 |
| | C3 | Kirchhoff, et al, 1994 "Major human epididymis-specific gene product, HE3, is the first representative of a novel gene family." <i>Mol. Reprod. Dev.</i> 37 (2), 130-137. GenBank Accession Number: X76386 |
| | C4 | Kirchhoff, et al, 1994 "Major human epididymis-specific gene product, HE3, is the first representative of a novel gene family." <i>Mol. Reprod. Dev.</i> 37 (2), 130-137. GenBank Accession Number: NM_022360 |
| | C5 | Kirchhoff, et al, 1994 "Major human epididymis-specific gene product, HE3, is the first representative of a novel gene family." <i>Mol. Reprod. Dev.</i> 37 (2), 130-137. GenBank Accession Number: Q14507 |
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| | C7 | NCBI Annotation Project. 2001 Direct Submission. GenBank Accession Number: XP_003501 |
| | C8 | Tekamp-Olson, et al., 1990 "Cloning and characterization of cDNAs for murine macrophage inflammatory protein 2 and its human homologues." <i>J. Exp. Med.</i> 172 (3), 911-919. GenBank Accession Number: NP_002080 |
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| | C10 | Wilson, R.K., 1996 Direct Submission. GenBank Accession Number: W32867 |
| | C11 | Wilson, R.K., 1996 Direct Submission. GenBank Accession Number: W32868 |
| | C12 | Yan, et al., 1993 "Neutrophil-activating intercrine secreted by porcine platelets is active without proteolytic processing." <i>Am. J. Physiol.</i> 265 (5 Pt 1), C1396-C1404. GenBank Accession Number: AAB28903 |
| | C13 | Zheng, et al., 1993 "Cloning and characterization and distinct human extracellular signal-regulated |

Date of Deposit: April 12, 2001

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | |
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| | | kinase activator kinases, MEK1 and MEK2." <u>J. Biol. Chem.</u> 268, 11435-11439. GenBank Accession Number: L11285 |
| | C14 | Zheng, et al., 1993 "Cloning and characterization and distinct human extracellular signal-regulated kinase activator kinases, MEK1 and MEK2." <u>J. Biol. Chem.</u> 268, 11435-11439. GenBank Accession Number: P36507 |

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

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SERIAL NUMBER: 09/755,665 EXAMINER: Not Yet Assigned
FILING DATE: January 4, 2001 ART UNIT: 1646
FOR: NOVEL POLYPEPTIDES AND NUCLEIC ACIDS ENCODING SAME

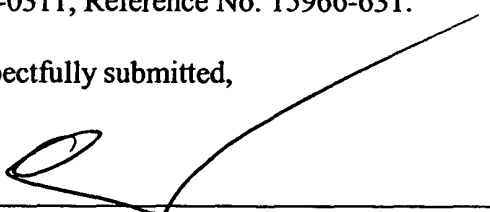
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Assistant Commissioner for Patents
Washington, D.C. 20231

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, Applicants hereby make of record the documents listed on the attached modified Form PTO-1449 (submitted in duplicate) in the above-identified application, copies of which are submitted herewith. The order of presentation of the references should not be construed as an indication of the importance of the references.

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Respectfully submitted,



Ivor R. Elrifi, Reg. No. 39,529
Cynthia A. Kozakiewicz, Reg. No. 42,764
Attorneys for Applicants
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Date of Deposit: October 23, 2001

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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| | First Named Inventor | Taupier |
| | Group Art Unit | 1646 |
| | Examiner Name | Not Yet Assigned |
| | Attorney Docket Number | 15966-631 (Cura-131) |

| U.S. PATENT DOCUMENTS | | | | | | | |
|-----------------------|----------|--------------------------|------------|-------------------------------------|-------|-----------|----------------------------|
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|----------|--------------------------------|----------|---|---------------------|--------------------|---|
| Exam Initials | Cite No. | Foreign Patent Document Office | Number | Name of Patentee(s) or Applicant(s) | Date of Publication | Translation Yes No | |
| | B2 | EP | 0440321A | IHF Inst. Fur Hormon und Fortpflanzungsforschung GmbH | August 7, 1991 | | X |

| OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS | | |
|---|----------|--|
| Exam Initials | Cite No. | Name of Author, Title (when appropriate), Publication, Volume, Page(s), Date, Etc. |
| | C15 | Osterhoff et al., Molecular cloning and characterization of a novel human sperm antigen (HE2) specifically expressed in the proximal epididymis", Biology of Reproduction, 50:516-25, 1994 |
| | C16 | Kirchhoff et al., "A major mRNA of the human epididymal principal cells, HE5, encodes the leucocyte differentiation CDw52 antigen peptide backbone", Mol. Repro. Dev., 34:8-15, 1993 |
| | C17 | Kirchhoff et al., "Cloning and analysis of mRNAs expressed specifically in the human epididymus", Intl. J. Andrology, 13:155-67, 1990 |
| | C18 | Kirchhoff et al., "Molecular aspects of epididymal function and sperm maturation" Cur. Adv Androl, Proc. Int. Cong. Androl 6 th , pp. 253-59, 1997. |
| | C19 | PCT Partial International Search Report |

* a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. _____, filed _____, and relied upon for an earlier filing date under 35 U.S.C. §120 (continuation, continuation-in-part, and divisional applications).

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